Asian Pro AV
APX 1502 Multiple Input Video Scaler
USER MANUAL

Table of Contents

Function 3

Front Panel Operation 3

IR Remote Control 4

RS232 control 4

RS232 Protocol 5

Adjust Composite Video Settings 6

Adjust S-Video Settings 6

Function

The APX 1502 is a multiple input video scaler with 4 composite, 4 S- Video and 4 VGA inputs, any, of which, can be switched audio follow video to a high resolution output(s).

Video signals only can be scaled to digital signals with the following resolutions;

SVGA	800X600
XGA	1024X768
SXGA	1280X1024
16:9	480P
16:9	576P
16:9	720P

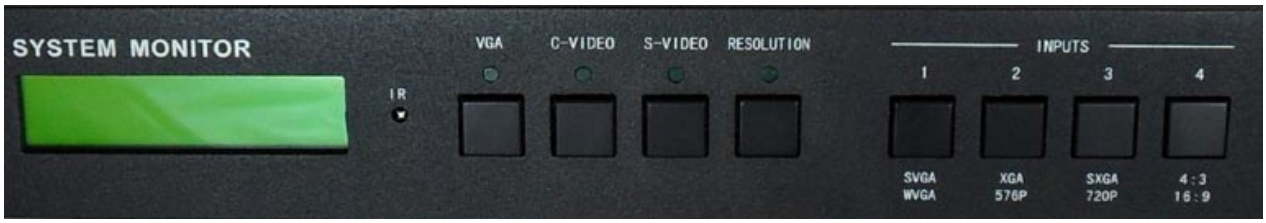
Computer signals can be switched from any of the 4 VGA inputs. High bandwidth inputs and outputs allow these signals to be passed through at their native resolution(s) without degradation.

APX 1502 supports both 4:3 conventional and 16:9 wide screen formats.

Other features include;

- 3 MIC inputs that can be mixed with the master audio signal
- Adjustable brightness, contrast, saturation of composite or S-Video signals
- Front panel, IR handheld and RS232 remote control
- 2 VGA outputs in parallel. Use one for main display and the other for local monitor preview.

Front Panel Operation



Select VGA, C-VIDEO or S-VIDEO button first. The green LED above the button will illuminate. Select an input 1-4. The input you select is switched to the output(s).

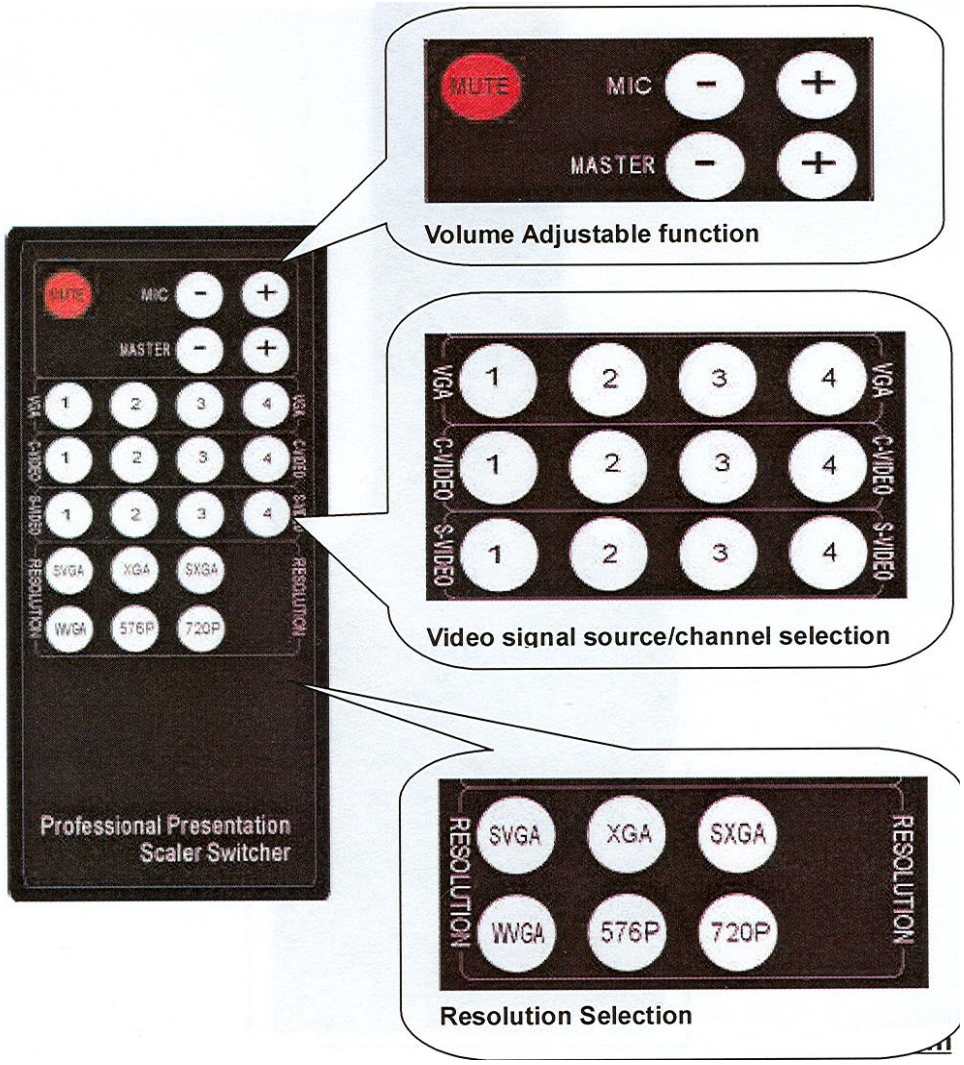
To change the scaled output resolutions of video signals only, select the resolution button first. Select Input 4. This button will toggle between 4:3 format when pressed and 16:9 when pressed, again.

4:3 format signals are listed on the first line underneath the INPUTS and reading from left are SVGA, XGA and SXGA. Selecting one of these will set the scaled output resolution accordingly.

16:9 format signals are listed on the second line underneath the INPUTS and reading from left are WVGA, 576P and 740P.

The selected input and resolution information is displayed in the SYSTEM MONITOR LCD.

IR Remote Control



RS232 control

The APX 1502 provides an RS232 control port on a DB9 female connector located on the rear panel. The scaler can be remotely controlled by computer or third party control systems using the Asian Pro RS232 protocol and parameters (see next page).

RS232 Protocol

RS-232 Protocol

Baud: 9600bps 8,n,1 format: ASCII

Code	Function
01*01!	VGA1 with audio switch out
02*01!	VGA2 with audio switch out
03*01!	VGA3 with audio switch out
04*01!	VGA4 with audio switch out
05*01!	S-VIDEO1 with audio switch out
06*01!	S-VIDEO2 with audio switch out
07*01!	S-VIDEO3 with audio switch out
08*01!	S-VIDEO4 with audio switch out
09*01!	COMPOSITE1 VIDEO1 with audio switch out
10*01!	COMPOSITE2 VIDEO1 with audio switch out
11*01!	COMPOSITE3 VIDEO1 with audio switch out
12*01!	COMPOSITE4 VIDEO1 with audio switch out
01$01!	SVGA 800*600
02$01!	XGA 1024*768 (default)
03$01!	SXGA 1280*1024
11$01!	480P 800*480
12$01!	576P 1024*576
13$01!	720P 1280*480
04$01!	MIC volume level up
05$01!	MIC volume level down
06$01!	Master volume level up
07$01!	Master volume level down
08$01!	Mute on
09$01!	Mute off
04#08!	Read the current level of the Master volume
05#08!	Read the current level of the MIC volume
xx#09!	Preset of the Master volume（" xx" ranges 00～63）
xx#10!	Preset of the MIC volume（" xx" ranges 00～63）
01#08!	Read current state
02#08!	Read present Firmware Version.
03#08!	Read system information
01#08!	read present state
02#08!	read present Firmware Ver.
03#08!	read system information

Adjust Composite Video Settings

Press the C-VIDEO button for 3 seconds to enter the setting mode.

Function 1 Brightness is adjusted using the parameter+ and parameter-

Function 2 Contrast is adjusted using the parameter+ and parameter-

Function 3 Saturation is adjusted using the parameter+ and parameter-

Function 4 Restore to default is adjusted using Enter

Adjust S-Video Settings

Press the S-VIDEO button for 3 seconds to enter the setting mode.

Function 1 Brightness is adjusted using the parameter+ and parameter-

Function 2 Contrast is adjusted using the parameter+ and parameter-

Function 3 Saturation is adjusted using the parameter+ and parameter-

Function 4 Restore to default is adjusted using Enter